

THE
COUNTRY
ALMANACK.

For the Year, 1676.

Being Bissextile, or Leap-Year.

Suited to the several Capacities, Humours, and Occasions of
Gentlemen, Scholars, Travellers,
and Husband men, &c.

And accompanied with Remarks in Verse, upon every Month
in the Year; pleasant, and
not scurrilous.

To which are subjoyned,
Many Additionals, Old, and
New; delightful to be read, and
useful to be known.

Omne tulit punctum qui miscuit utile dulci.

L O N D O N,
Printed by F. L. for the Company of
STATIONERS, 1676.

The Preface.

Reader,

Though I intended my last Years Almanacks to be Vagrants, I would not willingly have had them so stigmatized, as the errors of the Press rendered them; for to wink at small faults, such as double Letters for single, and many of the same predicament; not only my Preface, and Verses, but some of the more substantial parts, needed muchthy Charity, to make them sense, in sundry places. The fifth Additional (which I more prized than all the Book besides) was as unfortunate as the rest, the first sentence being made perfectly nonsensical, by the change of [Algrebrist] into [Alybrist] and another within a few lines loised up from a demonstrable truth, to a notorious falsehood by inserting these words [of millions] once more then the true Manuscript Copy gave them. But instead of proceeding in this work of discovering the Errata of others, when they are past help, I shall be so ingenious, as to acknowledge my own, though some of them such as I think not fit to Correct.

1. The jolly Gown-man, warming his Nose over a Cup of Canary, at the Clyems cost, laughs in his sleeve at mine ineffectual indeavours to cure the Country-man of his rancid, and inveterate Disease of wrangling; knowing when all is said, there will be Fools enough to uphold his Profession; and perhaps, more that will give ten shillings for a Scroul, than three pence for this Book.

2. The well-meaning Husband-man is discontented at the Stationer that sold it him for a blank Almanack, when he can find no blanks in it, wherein to Write down the Accounts betwixt his Cow, and the Bull; or when he paid Tom half a Crown towards his Quarters wages. This I will promise him, he shall find here mended, by redacing my Verses into a narrower compass; and the rather, because it comports aswell with my ease, as his convenience.

3. But another fault charged upon my self, I must ly, and dye under, viz. an unwillingness to cheat him by predictions of weather, and strange events, at as cheap a rate as others have done time out of mind. An Almanack without these (think s be)

The Preface.

he) is like a Pudding without Sewet, or a Christmas-pye without Plums. Well, I cannot help it, till some authentick Casuist can assure me, that I may presume at random, and lye in jeast, when I know I shall deceive the simple in earnest; Else it were no hard matter to Write with a little mixture of Delphick Wisdom. Fair weather, with some showers intermixed, not altogether without some winds, and cloudy vapours, so as it might stand over against 20 days; and if it always missed the Mark, it had ill luck indeed. But suppose such a thing possible, there remained still this double Apology; my Predictions are only probable, and conjectural, not pretended to be infallible; and if they miscarried where the observer dwelt, how can he tell they did so every where else? But however others may use such excellent engines to singular advantage, I think it convenient for me to let them alone; assuring my self, that wise Readers will like me never the worse for loathness to impose upon them.

I have for the sake of young Mathematicians, put in several new Additionals, which I hope will be of publique benefit; and Revised such of the old ones, as I thought fit to insert, that I might represent them truly Corrected. If they come not so to thine hands, though it may be my trouble, 'tis not my fault; who desires to serve thee faithfully, in what I offer. But I insinuated in my last, that I would no more trouble thee with a tedious preamble; which half-promise, shall now have a whole performance.

Vale & fruce.

A brief Chronologic.

Years

(Great <i>Jehovah</i> Heaven and Earth did found,	5625
For the sin of Man the World was drown'd.	3969
<i>Babels</i> Builders enterprize made void,	3837
<i>Sodom</i> and <i>Gomorrah</i> were destroy'd.	3578
Th' <i>Hebrews</i> out of <i>Egypt</i> -Land did go;	3172
<i>Grecian</i> Armies <i>Troy</i> did overthrow,	2859
<i>Solomon's</i> rich Temple was erected,	2693
<i>Brute</i> came hither (though that's much suspected)	2783
<i>London</i> had her first Foundations laid,	2783
That same bloody City <i>Rome</i> was made.	2427
<i>Alexander</i> lost his vital breath,	1999
Christ redeem'd us by his pretious death,	1643
<i>Titus</i> did <i>Ferusalem</i> lay wast,	1606
✓ <i>England</i> , first the Christian Faith embrac'd.	1486
Famous <i>Constantine</i> began to Reign,	1367
✓ <i>England</i> was a Prey unto the <i>Dane</i> .	658
<i>William</i> Conquerour this Crown did gain,	610
✓ His Son <i>Rufus</i> by an Arrow slain.	576
First <i>Bertoldus</i> caus'd Guns to roar,	298
✓ Printing Scholars Shelves began to store.	236
<i>Spains</i> Armado had a fore defeat,	88
<i>Belzebub</i> his Powder-fiends did cheat.	71
<i>Charls</i> his Birth these Lands with joy did fill,	46
Cruel hands his Fathers blood did spill,	27
<i>Oliver</i> was first Protector call'd,	23
From that bondage we were disenthral'd.	18
Noble <i>Booth</i> for th' King in <i>Cheshire</i> rose,	17
<i>Monk</i> began to undermine his foes.	17
Our dread Sovereign at <i>White-hall</i> arriv'd,	16
Justice <i>Regicides</i> of life depriv'd.	16
The great Coronation-pomp was seen,	15
<i>Donna Katherine</i> became our Queen.	14
Th' last great Plague began in <i>London</i> Town,	11
By a dreadful fire 'twas burned down.	10
It began to be built up again	} 9
Splendid and fair long may it so remain.	

The twelve Signs, or Constellations of the Zodiack,
with the parts of Mans Body, said to be subject to them.

<i>Aries</i> , Head, and Face.	<i>Libra</i> , Reins, and Loyns.
<i>Taurus</i> , Neck, and Throat.	<i>Scorpio</i> , Secret Members.
<i>Gemini</i> , Arms, & Shoulders.	<i>Sagittarius</i> , The Thighs.
<i>Cancer</i> , Breast, and Stomach.	<i>Capricornus</i> , The Knees.
<i>Leo</i> , Heart, and Back.	<i>Aquarius</i> , The Legs.
<i>Virgo</i> , Bowels, and Belly.	<i>Pisces</i> , The Feet.

The Golden Number. 5	The Cycle of the Sun. 9
The Epact. 25	The Dominical Letters. B. A.

For Feasts, Fasts, Terms, and Eclipses, see the
Kalendar; concerning which, take these notes.

1. The Numbers standing towards the right hand in the third Column, shew what Degree the Sun is in of the Sign last before named: by which also it is easie to Collect what Sign he is in on other days where there is not convenient room for inserting those Numbers.

2. In the fourth Division, or Column, are three small Columns, noted on the top thus, H. M. H. whereof the first Columnel contains the hour of Sun-rising: the third, the hour for Sun-setting; and the middle shews the minutes that the Sun riseth after the one, and sets before the other. *Example, Jan.*

1. The Number, 8. 9. 4. signifie that the Sun riseth that day 9. minutes after 8. and sets 9. minutes before 4.

The rest are easie, ordinary things; yet to avoid hesitation, my Countrey friend may imagine this Explanatory Scheme, fixed on the head of every Month-page.

Day of the Month.	Day of the Week.	Feasts, Fasts, Terms, & Noted days, with the Suns place.	Suns rising and setting, in hours, and minutes.	The Sign, and Degree of the Zodiack, in which the Moon is.	Directions for Gardiners, for preparing ground, Planting, Sowing, Grafting, &c.
				A 3	Jan.

January hath xxxi. days.

New Moon the 5th. day 38 min. past 2 in the morning.

First Quarter the 12th. day, 57 m. past 8 at night.

Full Moon the 20th. day, 58 m. past 6 in the evening.

Laft quarter the 27th. day, 8 m. past 6 in the evening.

1	a	N. years d	8	9	4	Sag.	2	This Month trench ground.
2	b	Cap.	22	8	4		16	Prepare soyl. Dig bor-
3	c		23	7	4	Cap.	6	dors. Uncover roots of
4	d		24	6	4		15	Trees. Plant Quick-sets.
5	e		25	5	4		29	Trans-plant fruit-trees,
6	f	I welk h d	4	4	4	Aq.	13	set Vines, prune Vines, and
7	g		27	2	4		26	Fruit-trees. Nail Wall-
8	a		28	0	4	P.f.	9	fruit. Gather Cyons.
9	b	i S. aft. Ep	7	5	5		22	Cleanse Trees of Moss, in
10	c		29	7	5	Aries	4	moyst weather.
11	d		30	7	5		16	Set Beans, and Pease;
12	e	Aquar. I.	7	5	5		28	and sow for early Colly-
13	f	Hillary	7	5	5	Tau.	10	flowers.
14	g		3	7	5		22	Sow Charvil Lettices Ra-
15	a		4	7	5	Gem.	4	dish, and other delicate sal-
16	b	2 S. aft. Ep	7	4	5		16	lettings, if you will raise in
17	c		6	7	4		28	the hot-bed.
18	d		7	7	4	Can.	10	Set Traps for Vermine,
19	e		8	7	4		23	especially in Nurseries of
20	f		9	7	4	Leo	7	Kernels, and Stones. Plant
21	g		10	7	3		20	Aremonie roots.
22	a		11	7	3	Virg.	4	Preserve them with Ran-
23	b	epruagesf.	7	3	5		18	nuculus's sowed in Septem-
24	c	Term beg.	7	3	5	Libra	2	ber, or October. Also Car-
25	d	Con. of S.P	7	3	5		16	nations, and such seeds as are
26	e		15	7	3	Scor.	0	in danger to be washed out
27	f		16	7	2		14	or over-chilled with conti-
28	g		17	7	2		28	nual Rains, Frosts, or Snow.
29	a		18	7	2	Sag.	12	
30	b	Sexagesf.	7	2	5		26	
31	c		20	7	2	Cap	10	

Remarques upon *January*.

Could we, like *Janus*, but reflect, and see,
How new years, by the old ones, usher'd be;
Our fore-sight (though but little,) would conclude,
We may by dreadful vengeance be pursu'd.
Full cramm'd Paunches, Heads with Liquor swimming;
Phantastick Cloathes, surcharg'd with costly trimming;
Plays Bedlam-Revels, swearing, and (which is
Worse than the rest) the Courting of a Mils;
(Or, in plain *English*, keeping of an Whore,
While th' honest Wife is turned out of th' door :)
Excessive idleness, prodigious Cheats,
Rooking young Dottrels out of antient Seats.
Are *Christmas* Scenes, oft acted without fear,
By some that pray *God send's a good new Year*.
They might as well, with the *Wild-Irish*, say,
Lord help us, in our Robberies, to day.

No, no, fond Fools, while Sin is in the Root,
Never expect to gather wholesome Fruit.

February hath xxix. days.

New Moon the 3d. day, 39 min. past 6 in the evening.
 First quarter the 11th. day, 49 m. past 4 in the evening.
 Full Moon the 19th. day, 56 min. past 9 in the morning.
 Last quarter the 26th. day, 2 min. before 1 in the morn.

			H	M	H.		
1	D	Faſt	22	7	18	5	Cap. 24 Plant yet Fruit-Trees,
2	E	Perſ. A. L.	23	7	17	5	Aq. 8 Vines, Hops, and Shrubs.
3	F		23	7	15	5	21 Set Kernels, and Stones.
4	G		24	7	13	5	Piſ. 4 Cut, and lay Quick-ſets.
5	A		25	7	11	5	17 Sow Aſparagus, Beans,
6	M	Shrove. S.	27	7	9	5	Aries 6 Peaſe, Radish, Parſnips,
7	C		27	7	7	5	12 Carrots, On.ons, and Gar-
8	D	Shrove	1	7	5	5	24 lick.
9	E	Bps. Aſt at	7	3	5	5	Taur. 6 Plant Cabbage-plants,
10	F	both Uni.	7	1	5	5	18 Potatos, Colly-flowers, Par-
11	G	Solin Piſ.	6	59	6	6	Gem. 6 ſley, Spinage, and other har-
12	A	Term E.	6	57	6	6	11 dy Pot-herbs.
13	M	I S. in L.	6	54	6	6	21 Cleanſe your Trees from
14	E	Valentine	6	52	6	6	Canc. 6 Moſs, and Canker; Earth
15	D		4	6	50	6	18 up the uncovered roots of
16	E	Emb. week	6	48	6	6	Leo 1 Trees. Begin to Graft for
17	F		6	46	6	6	14 Apples, Pears, Cherries,
18	G		7	6	44	6	28 Plumbs, &c.
19	A		8	6	42	6	Virg 13 Continue Vermine-traps.
20	M	2 S. in L.	6	40	6	6	27 Begin to make your hor-bed
21	C		10	6	38	6	Lib. 11 for the firſt Melons, and Cu-
22	D		11	6	37	6	26 cumbers. Cut off the webs
23	E	Faſt	12	6	35	6	Scor 12 of Caterpillars, from the
24	F	S. Matthias	6	33	6	6	25 tops of Twigs, and Trees.
25	G		14	6	31	6	Sag. 9 Gather Worms in the even-
26	A		15	6	29	6	23 ing after Rain.
27	M	3 S. in L.	16	6	27	6	Cap. 7 Sow Alaternus-ſeed, in
28	C		17	6	25	6	20 Caſes, or open Beds well
29	D		18	6	23	6	Aq. 4 covered with Thorns, or
							Bryars.

Remarques upon *February*.

Foul weather is no news; Hail, Rain, and Snow,
Are now expected, and esteem'd no woe;
Nay, 'tis an Omen bad, the Yeomen say,
If *Phaëton* skews his Face the second day.
Colds now are plenty, Ague-fits are rife;
And Feavers (though more rare) endanger life.
Mean time the Lawyer, eager at his sport,
Gobbles up Coyn from them that cares not for't.
'Tis strange to see how climes Mens genius alter,
He that at home did spare, patch, prin, and palter;
And had no pence to give the Poor, or lend,
Can now at *Westminster* broad-pieces spend.
Humour will speed, when Charity's said nay;
The Countrey-Counsellors post fast away;
(The middle of this Month) home-bound with Gold;
Which Neighbour Widgeons had, but could not hold.
Who now in rage devote them as a prize,
To the next Padder that in Ambush lies,

March

March hath xxxi. days.

New Moon the 4th. day, 7 m. past 10 in the morning.
 First quarter the 12th. day, 43 m. past noon.
 Full Moon the 19th. day, 9 m. past 7. in the evening.
 Last quarter the 26th. day, 50 m. past 8 in the morning.

			H M H		Use decorations, sale
1	d	David	19 6 20 6	Aq. 17	on the hot-bed, Melons, Cu-
2	e		20 6 18 6	Pisc. 0	cumbers, Gourds, &c. Graft,
3	f		21 6 16 6	15	slip, and set Sage, Rosema-
4	g		22 6 14 8	25	ry. Lavender, Thyme, &c.
5	a	4 S. in L.	5 11 6	Ari. 8	Sow Endive, Succory,
6	b		24 6 9 6	20	Leeks, Radish, Beets, Chard,
7	c		25 6 6 6	Taur. 2	beets, Parsnips, Skirrets, Par-
8	d		26 6 4 6	14	slay, Sorrel, Bugloss, Borage,
9	e		27 6 2 6	20	Chervil, Celery, Smallage,
10	f	Eq. d. & n.	5 0 6	Gem. 8	Alfanders, &c.
11	g		29 6 5 8	20	Sow also Lettice, Onions,
12	a	5 S. in L.	5 5 7	Canc. 2	Garlick, Orach, Purslan,
13	b	Aries	1 5 4 7	14	Turnips, Pease, Carrots,
14	c		2 5 2 7	26	Cabbages, Cresses, Fennel,
15	d		3 5 0 7	Leo 9	Marjoram, Basil, &c.
16	e		4 5 4 7	23	Transplant medicinal
17	f		5 5 4 7	Virgo 6	H rbs, and Asparagus roots,
18	g		6 5 4 7	21	Beet-chards sown in August.
19	a	Palm Sund	5 4 2 7	Libra 5	Dre s, and string Straw-ber-
20	b		8 5 4 7	20	ry-beds. Stake, and bind
21	c		9 5 3 7	scor. 5	up weak Plants.
22	d		10 5 3 7	20	Sow Pinks, sweet Williams,
23	e		11 5 3 7	Sagit. 5	Carnations, Pine-kernels,
24	f	Falt	12 5 3 7	19	Fer-seeds, and Bays.
25	g	Lady-day	5 3 0 7	Cap. 3	Plant Spanish, and ordina-
26	a	Easter-day	5 2 8 7	17	ry Jasmine, and Anemomy
27	b		15 5 2 7	Aq. 1	roots. Transplant Carnati-
28	c		16 5 2 7	14	ons, Seed-lings, and Fibrous
29	d		17 5 2 7	27	roots.
30	e		18 5 2 7	Pisc. 9	Fence your choice Anemo-
31	f		19 5 1 7	22	nies, Anriculas, &c.

Remarques upon *March.*

Tassie well met, I now had been to seek
Some new conceits ; but thy tryumphant Leek
Inspires me with rank notions, that (methinks)
My Lungs and Wind-pipe have no empty chinks,
If Money now durst bark against our Nations,
We would him choak with fulsome eruptions.
And if that *Boreas* on our Lips do play,
We'l send him with a stinking-breath away.
If th' Cuckow come, she's moult with smell of Leeks,
So that she shall not sing for certain weeks.
But hark, the pretty Choristers of th' Wood,
Having survey'd the new sown Fields for Food,
Do warble out their various notes, and sing,
Melodious Anthems to their heavenly King.
Sweet Creatures ! they are pleas'd with th' Present-tence,
They fear no want, no danger, nor offence.
And shall not we that live by Faith excell,
In confidence, such as in Bushes dwell ?

April

April hath xxx. days.

New Moon the 3^d. day, 11 min. past 2 in the morn.
 First quarter the 11th. day, 4 m. past 5 in the morn.
 Full Moon the 18th. day, 59 m. past 2 in the morn.
 Last quarter the 24th. day, 40. m. past 6 in the evening.

			H M H		
1	g		19 5 16 7	Aries 4	Sow Marjoram, Hyssop,
2	a	Low-sund.	5 14 7	17	Basil, Thyme, Winter-favory,
3	b		21 5 12 7	29	and Scurvy-grass. Allo
4	c		22 5 10 7	Tau. 11	Lettuce, Purslan, Colly-
5	d		23 5 8 7	23	flowers, Radish, double Ma-
6	e		24 5 6 7	Gem. 4	rygolds, Cyony, Candy-tufts,
7	f		25 5 5 7	16	Garden-parsley, Muscipula,
8	g		26 5 3 7	28	Scabious, Pinks, Carnations,
9	a	2 S. aft. E.	5 2 7	Car. 10	Sweet Williams, &c.
10	b		28 5 0 7	22	Plant Melons, Cucum-
11	c		29 1 57 8	Leo 5	bers, and the slips of Arti-
12	d	Terau beg.	4 55 8	18	choak, Lavender, Thyme,
13	e	Taur.	1 4 53 8	Virg. 1	Rosemary, &c.
14	f		2 4 51 8	15	Set French-beans. Gather
15	g		3 4 49 8	29	out Worms, and Snails, on
16	a	3 S. aft. E.	4 47 8	Lib. 14	rainy evenings.
17	b		5 4 45 8	29	Trans-plant, and remove
18	c		6 4 43 8	Scor 14	tender shrubs, such as Span-
19	d		7 4 41 8	29	ish Jasmines, Myrtles, Ole-
20	e		8 4 39 8	Sag. 14	anders, young Oranges,
21	f		9 4 38 8	29	Pomegranates, &c.
22	g		10 4 36 8	Cap. 13	If winds be past, clip af-
23	a	K. C. 2. Cr.	4 34 8	27	ter showers, Phylirea, Ala-
24	b		12 4 32 8	Aq 11	ternus, Cypress, Box, Myr-
25	c	S. Mark, E.	4 30 8	24	tles, Barbi-jovis, and other
26	d		14 4 29 8	Pisc. 6	tonile shrubs.
27	e		15 4 27 8	19	
28	f		16 4 25 8	Aries 1	
29	g		17 4 23 8	13	
30	a	5 S. aft. E.	4 21 8	26	

Remarques upon *April*.

No blust'ring blasts from *March* needs *April* borrow ;
His own olt proves enow to breed us sorrow.
Yet if he weep (with us to sympath ze)
His trickling tears will make us wipe our Eyes.
Nothing more welcome now then kindly showers ;
T' enrich the Earth with Grain, Grass, Fruit, and Flowers.
So he that Sows his pretious Seed with Tears ,
Returns with joy, and home his Sheaves he bears.
Windfor, and Westminster, this Month bear sway ,
One carries th' honor, th' other th' Gold away.
The Knights are splendid in their pomp and train ;
But Mammon with the Gown-men doth remain.
Come home poor simpleron, and let them prate,
Feed not the Cormorants with thine Estate.
What's given is well laid up, but what is spent
To breed thy self, and Neighbours discontent,
Is worse bestow'd then if't were cast away,
Into the bottomless devouring Sea,

May

May hath xxxi. days.

New Moon the 1st. day, 8 min. past 6 in the evening.
 First quarter the 10th. day, 7 min. past 6 in the evening.
 Full Moon the 17th. day, 17 min. past 10 in the morning.
 Last quarter the 24th. day, 29 min. past 6 in the morning.

		H	N	H	
1	b	May-day	4	18	8 Tau. 7 Sow Basil, Thyme, Sweet-
2	c		20	4	17 8 19 marjoram, hot, and aroma-
3	d		21	4	15 8 Gem. 1 tick Herbs, and the most
4	e	Ascend. day	4	14	8 13 tender Plants. Also Pur-
5	f		23	4	12 8 25 flax, Lettuce, painted Beans,
6	g		24	4	11 8 Canc. 7 &c. Look well to your Me-
7	a	6 S. aft. E.	4	10	8 19 llons; and towards the end
8	b	Term ends	4	8	8 Leo 1 of this Month, forbear to
9	c		27	4	7 8 14 cover them on the ridges
10	d		28	4	6 8 27 with Straw, or Matreffes.
11	e	Cent. Gem	4	4	8 Virg. 10 Ply the laboratory, Di-
12	f		1	4	3 8 24 silling Plants for Spirits,
13	g		2	4	2 8 Libra 8 Waters, &c. Pluck up
14	a	White-sund	4	0	8 22 Weeds before they feed.
15	b		4	3	59 9 Scor. 7 Give your houled Plants
16	c		5	3	58 9 32 fresh Earth, an handful, or
17	d	Emb. week	3	57	9 Sagit. 7 so deep; loosening the rest
18	e		7	3	55 9 22 with a Fork, without wound-
19	f		8	3	55 9 Cap. 7 ing the Root; let this fresh
20	g		9	3	54 9 22 Earth be very rich, and so
21	a	Trinity S	3	53	9 Aq. 6 fine as to sift.
22	b		11	3	52 9 23 Shade your Carnations,
23	c		12	3	51 9 Pisc. 3 and Gilly-flowers, after-
24	d		13	3	50 9 16 noon.
25	e		14	3	49 9 28 Plant also Stock-gilly-
26	f	Term beg	3	48	9 Ar. 10 flowers in Beds, at full Moon
27	g		16	3	47 9 22 gather Anemony seeds.
28	a	1 S. aft. Tr	3	46	9 Taur. 4 Take up dried Tulips,
29	b	K. C. 2 B. K.	3	45	9 16 and cover such as are bare.
30	c		19	3	45 9 28
31	d		20	3	44 9 Gem. 10

Remarques upon *May.*

Welcome most pleasant season of the Year,
The little Lambs now frisk it without fear.
The Woods look green, Birds whistle out their notes,
And banish sorrow by their chir'ing votes.
Tell me be Clad with *Flora's* Livery,
Delights the meditating walkers Eye.
The simpler's now a Simpleton indeed,
That cannot on the Herbs God's goodness read.
The Milk-maid sing, while *Cherry* chews her Cud,
And by her looks declares her Pasture's good.
All this is in the Vale of Tears below,
But who will me the true Elyzium show;
Which pur-blind Poets marr'd with phancies wild,
And by their carnal Sentiments defild?
That glorious blis-ful place, that's always green,
Though having Fruit in full perfection teen;
Where Angels, and the blessed Saints above,
Sing perfect comfort in high strains of Love.

June

June hath xxx. days.

New Moon the 1st. day, 10 min. past 9 in the morn.
 First quarter the 8th. day, 36 m. past 5 in the morn.
 Full Moon the 15th. day, 26 m. past 5 in the evening.
 Last quarter the 22^d. day, 44 m. past 8 in the evening.
 New Moon the 31st. day, 42 m. before mid-night.

			H M H		
1	e	☉ Eclipsed	3 42 9	Gem. 22	Sow Lettuce, Chervil, Ra-
2	f		21 3 42 9	Canc. 4	dish, &c.
3	g		22 3 42 9	16	Cleanse Vines of exube-
4	a	2 S. aft. Tr.	3 41 9	28	rant branches, stopping the
5	b		2 43 41 9	Leo 11	joynt. Inoculate Apri-
6	c		25 3 41 2	24	cocks, Peaches, Cherries,
7	d		26 3 41 9	Virg. 6	Plumbs, Apples, and
8	e		27 3 41 9	20	Pears, &c.
9	f		28 3 41 9	Libr. 3	Gather Herbs at the full,
10	g		29 3 41 9	17	dry them in the Sun, to
11	a	S. Barnab.	3 41 9	Scor. 1	keep. Distill Aromatick
12	b	Canc.	1 3 41 9	16	Plants. Water planted
13	c		2 3 41 9	Sag. 1	Trees, and put half-rotten
14	d	Term end	3 41 9	16	Bern about their stems.
15	e		4 3 41 9	Cap. 1	Trans-plant Autumnal
16	f		5 3 41 9	16	Cychamens; gather the ripe
17	g		6 3 41 9	Aqu. 9	seed of choice Flowers. Ino-
18	a	4 S. aft. Tr.	3 41 9	14	culate Jasmine Roses, and
19	b		8 3 42 9	28	rare shrubs.
20	c		9 3 42 9	Pisc. 12	Take up your rarest Ane-
21	d		10 3 43 9	25	monies, Ranunculus's, Tulip-
22	e		11 3 44 9	Aries 7	bulbes; and all such Plants,
23	f		12 3 44 9	19	and Roots as endure not
24	g	Midsum.	3 45 9	Taur. 1	well out of the Ground,
25	a	5 S. aft. Tr.	3 45 9	13	and Plant them again.
26	b		15 3 46 9	25	
27	c		16 3 47 9	Gem. 7	
28	d	Fast	17 3 48 9	19	
29	e	S. Peter	3 49 9	Canc. 1	
30	f		19 3 50 9	13	
			3		

Remarques upon *June*.

The days are roaming at their utmost length;
Resplendent Sol lending them heat and strength.
Yet must he not one Night with us abide,
But guild the Globe upon the Counter-side.
Yea, when he once hath measured our long'st day,
Insensibly he casts a decay:
Till he brings days unto their lowest drain,
Then he in kindness draws near us again.
Constant he is, but 'tis in variations;
Running one course with infinite mutations.
Just so the best things of this lower World,
Are sometimes this way, sometimes that way hurl'd.
Riches change their Horizon and do fly
From one into another Family.
Yea, Wealth denys oft with the Child to stay,
Though from the Sire 'twould not be kept away.
See then above the Sun you lay your treasure;
To be for aye enjoy'd above all measure.

July hath xxxi. days.

First Quarter the 8th. day, 13 min. past 10 in the M.
Full Moon the 15th. day, 23 min. past 1 in the Morn.
Last Quarter the 22d. day, 33 min. past Noon.
New Moon the 30th. day. 37 min. Afternoon.

		H.M.H			
1	G	20 3 51 9	Can.	25	Sow Lettice, Raddish, &c.
2	6. S. afr. Tr.	3 52 9	Leo.	8	for tender Salletting, and
3	D	22 3 53 9		20	latter Pease; water young
4	C	32 3 54 9	Virg.	3	planted Trees & Layers;
5	D	24 3 55 9		17	prune Apricocks & Pea-
6	E	25 3 56 9	Libr.	0	ches, saving the most like
7	F	26 3 57 9		18	ly Shoots well placed.
8	G	27 3 58 9		27	Let such Olitory Herbs
9	7. S. afr. Tr.	3 59 9	Scor.	12	run to seed, as you would
10	D	29 4 0 8		26	save. Slip Stocks and o-
11	C	2 4 0 8	Sag.	10	ther lignous Plants and
12	D	1 4 0 8		24	flowers, lay Myrris and
13	E	2 4 0 8	Capt.	9	other curious greens; lay
14	F	3 4 0 8		24	Gilly-flowers and Carna-
15	G	4 7 8	Aqu.	9	tions for increase; water
16	8. S. afr. Tr.	1 8 8		23	young planted Shrubs &
17	D	6 4 10 8	Pis.	6	Layers; clip Box (grow-
18	C	7 4 11 8		20	ing out of order) after
19	D	4 12 8	Ari.	3	rain. Still cut off wither-
20	E	4 13 8		15	ed stalks of flower flowers;
21	F	4 15 8		27	water your gravel walk
22	G	11 4 17 8	Taur.	9	in the dryest season with
23	9. S. afr. Tr.	1 18 8		21	brine, pot-ashes, and wa-
24	D	13 4 20 8	Gem.	3	ter, or a decoction of To-
25	C	4 22 8		15	bacco-ressale, to destroy
26	D	15 4 23 8		27	worms & weeds. Stop the
27	E	16 4 25 8	Canc.	9	exuberant Shoots of Vines
28	F	17 4 27 8		21	at the second joynt above
29	G	18 4 28 8	Leo.	4	the fruit.
30	10. S. afr. Tr.	4 30 8		17	
31	D	20 4 32 8	Virg.	0	

Remarques upon *Juhy.*

Expects as yet no ease from heat,
Though Phoebus be on his retreat,
Toward the Equator: Parthian-like,
He shoars his shafts that through us strike.
Sure, same chance-shaft the Dog hath hit,
Which he in rage himself bit.
And shaking off his ear with ire,
Spits out great flakes of broyling fire,
That when the Sun was next to us,
We were not near tormented thus.

Some that think, All danger's past,
Of find themselves deceiv'd at last;
When Agag-like they sport and play,
As if all woe were fled away;
They unawares begin to feel
Within their flesh the fatal steel.
That scorching flames their souls receive,
Before their bodies find a Grave.

August hath xxxi. days.

First Quarter the 6th day, 59 min. past 2 afternoon.
Full Moon 13th day, 2 min. past 11 before noon.
Last Quarter the 21. day, 10. min. past 6 in the m.
New moon the 28th. day, 32 min. past 9 at night.

		H.M.H.	Inoculate early, prune
1	c	20 4 34 8 Virg.	15 off superfluous branches,
2	d	21 4 36 8	27 and shoots of the second
3	e	22 4 38 8 Lib.	10 Spring. Pull up Suckers,
4	f	23 4 40 8	24 sow Radish, tender Cab-
5	g	24 4 41 8 Scorp.	8 bages and Colliestowers
6	a	11. S. aft. Tr. 4 43 8	22 for Winter Plants. Sow
7	b	26 4 45 8 Sagit.	6 Corn-sallet, Marygolds,
8	c	27 4 46 8	20 Lettace, Carrets, Parsnips,
9	d	28 4 48 8 Capr.	5 Spinage, Onions, curled
10	e	Lawrence. 4 50 8	19 Endive, Angelica, Scurvy-
11	f	© ent. virg. 4 52 8 Aqu.	3 grass, Iris's, Larks-heel,
12	g	1 4 54 8	17 Candytufts, Columbines,
13	a	12. S. aft. Tr. 4 56 8 Pic.	1 Iron coloured Fox-gloves,
14	b	3 4 58 8	14 Holy-hocks, & such plants
15	c	4 5 0 7	28 as endure Winter. Trans-
16	d	5 5 2 7 Arjes	10 plant such Lettace as you
17	e	6 5 4 7	23 would have abide all Win-
18	f	7 5 6 7 Tau.	5 ter; pull up ripe Onions
19	g	8 5 8 7	17 and Garlick, &c. Gather
20	a	13. S. aft. Tr. 5 10 7	29 olitory seeds; clip such
21	b	10 5 12 7 Gem.	11 hearbs before the full an
22	c	11 5 14 7	23 handful high. Plant Auc-
23	d	12 5 16 7 Canc.	5 monies, slip Gilliflowers;
24	e	5. Barth. A. 5 18 7	17 gather seeds of shrubs be-
25	f	14 5 20 7	29 ing ripe. Take up bulbes
26	g	15 5 22 7 Leo	12 of Lillies. Remove and lay
27	a	16 5 24 7	25 perennial greens, Oranges,
28	b	17 5 26 7 Virgo	8 Lemons, Myrtills &c.
29	c	18 5 28 7	22 Sow Purslan, Chard-beet,
30	d	19 5 30 7 Libra	6 Chervile; make Summer-
31	e	20 5 32 7	22 Cyder, and Perry.

*August bears great Augustus's name,
 Who did the Roman Empire frame.
 When he* who the materials got,
 Was bindred by a deep-laid plot,
 That in his Life he could not rear,
 The Structure that cost him so dear.
 So oft it falls, that they who take
 The greatest pains, do only make
 Another's Market, who inherits
 The fruit of all their toyle and merits.
 Yet should we not discourag'd be,
 But as the Husband-man we see,
 Sowing much seed, when Corne's not cheap,
 A larger quantity to Reap.
 (Who many months with patience stays,
 And for Heav'n's blessed influence prays.)
 At length hath such a goodly Crop
 As answers, yea, exceeds his hope:
 So those that to the Spirit sow,
 Home with their Sheaves do joyfull goe.*

[*] Julius Caesar.

September hath xxx days.

First Quarter the 4th. day, 48 m. past 7 in the Even.
Full Moon the 11th. day, 28 m n. before midnight.
Last Quarter the 20th. day, 26 m. before 1 in the mo.
New Moon the 27th. day, 16 m. past 11 in Morn.

		H. M. H.			
1	f	20 5 35 7	Scor. 4	4	Gather your ripe wine
2	g	21 5 37 7	19	19	or fruit in dry weather.
3	a	15. S. afr. Tr. 5 39 7	Sag. 3	3	Sow Lettice, Radish, Spinage, Parsnips, Skirretts,
4	b	23 5 11 7	17	17	Collyflowers, Cabbages,
5	c	24 5 43 7	Capr. 1	1	Oxons, Scurvy-grass,
6	d	25 5 45 7	15	15	Anniseds, and Winter-
7	e	26 5 47 7	29	29	hearts.
8	f	27 5 49 7	Aqu. 13	13	Transplant most sorts
9	g	28 5 51 7	16	16	of esculent and physical
10	a	16. S. afr. Tr. 5 53 7	Pisc. 19	19	herbs, Aniseeds, and
11	b	© ent. Lib. 5 56 7	23	23	ragwort, and Scurvy
12	c	1 5 58 7	Ari. 6	6	berries (out of the
13	d	2 6 0 6	19	19	wood.) All fibrous
14	e	Exal. Cruc. 6 4 6	Taur. 1	1	plants, as Hepatica, Helichon, Camomile, &c. also
15	f	4 5 2 6	13	13	Captiviz, Marigolds,
16	g	5 6 6 6	25	25	Viola, Primorosa, &c.
17	a	17. S. afr. Tr. 6 9 6	Gem. 7	7	Bind your Autumnal
18	b	7 6 11 6	19	19	Flowers and Plants to
19	c	8 6 13 6	Canc. 1	1	stocks set such Plants into
20	d	Ember w. 6 15 6	13	13	the earth (as will not en-
21	e	S. Matr. Ap. 6 17 6	25	25	dure the house) in pots
22	f	11 6 19 6	Leo 7	7	2 or 3 inches lower than
23	g	12 6 21 6	10	10	the surface of the earth
24	a	18. S. afr. Tr. 6 23 6	Virg. 3	3	Southernly exposed.
25	b	14 6 25 6	17	17	About Michaelmas (the
26	c	15 6 27 6	Libr. 1	1	weather being fair and
27	d	16 6 29 6	15	15	not foggy) retire your
28	e	17 6 31 6	29	29	choyce Plants, and rarest
29	f	S. Mich. Ar. 6 33 6	Scor. 14	14	greens (being dry) as O-
30	g	19 6 35 6	29	29	ranges and Lemmons,
					Indian & Spa Jasmine, &c.

Remarks upon September.

My Muse is dull: The Heliconian-Font,
 Cooles by Autumnal gusts that blow upon't.
 The glorious Luminary of the year,
 Bides o're the Equinox a full career
 Towards the Tropick of the Goat he hies,
 Leaving the Northern Regions of the skies;
 Even so the best and highest of earthly things,
 (The Stages of mighty Emperours and Kings)
 Are subject to necessities of State,
 Changes and checks; yea, deadly blows of fate.

Proud Babel is by Persia overcome,
 That by the Greeks, and Grecia by Rome;
 Whose Empire being into pieces rent,
 Is axie grown, and within Almain pent.
 And who can tell, but such as Ramp and Ruffe;
 May have enough on't, ere they end their Scuffle.

well
 body & hand
 and leads
 Pump, Chert, No
 Almond
 low

low as in
 Plant choice
 Tulips
 Plant the Anemones
 and Ranunculus in
 gently can be taken
 from under the turf
 Be the Cautious, Care

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October hath xxxi. days.

First Quarter the 4th. day, 15 min. past 2 Morning.
Full Moon the 11th. day, 39. min. past 2 aftern.
Last Quarter the 19th. day, 49 min. past 6 Even.
New Moon the 26th. day, 39 min. past 9 at Night.

		H.M.H			Trench ground for
1	a	19.S.af.Tr. 6 38 6	Sag. 13		Orcharding and Kir-
2	b	21 6 40 6	28		chin - garden. Plant
3	c	22 6 42 6	Cap. 22		fruit-trees of all sorts,
4	d	23 6 44 6	25		when they have lost
5	e	24 6 46 6	Aqu. 10		their leaves. Let your
6	f	25 6 48 6	27		Wall-trees be of above
7	g	26 6 50 6	Pisc. 6		2 years grafting.
8	a	20.S.af.Tr. 6 52 6	19		Use ablaqueation, &
9	b	28 6 54 6	Ar. 2		laying bare the roots of
10	c	29 6 56 6	15		old unthriving, or o-
11	d	© car. Sco. 6 58 6	27		ver - hasty blooming
12	e	1 7 0 5	Tau. 9		trees. Gather fruit dry,
13	f	2 7 2 5	21		the Moon decreasing.
14	g	3 7 4 5	Gem. 3		Plant and plash Quick-
15	a	21.S.af.Tr. 7 6 5	15		sets
16	b	5 7 8 5	27		Sow all stony & hard
17	c	6 7 10 5	Can. 9		kernels and seeds, as
18	d	S. Luk. Eva. 7 12 5	21		Plums, Cherries, Nuts,
19	e	8 7 14 5	Leo. 3		Ash - keys, Almond-
20	f	9 7 16 5	15		stones, &c. Sow Let-
21	g	10 7 18 5	28		race, make winter-
22	a	22.S.af.Tr. 7 20 5	Vir. 11		Cyders. Sow as in
23	b	Term be. 7 22 5	25		September. Plant choice
24	c	13 7 24 5	Lib. 9		Tulips
25	d	14 7 25 5	23		Plant some Anemonies,
26	e	15 7 27 5	Scor. 8		and Ranunculus's in
27	f	16 7 29 5	23		fresh sandy earth, taken
28	g	S. Sim. & Ju. 7 31 5	Sag. 8		from under the turf
29	a	23.S.af.Tr. 7 33 5	23		Retire Carnations, &c.
30	b	19 7 34 5	Cap. 8		
31	c	20 7 36 5	22		

Remarks upon October.

*Our Country-Dale, who hath his Suits depending,
Impatient till the long Vacation's ending;
Having both reapt his Fields and rebd his Barn,
And forc'd his Wife to sell her Whited yarn,
Crams all into a Puffe, and up he hies,
Where he is welcom'd in his cunning wife:
Your Servant Sir, I'm glad to see you here,
Your honest bus'ness runs on calm and clear;
The ablest Counsel money can procure,
Give us in black and white, all's safe and sure.
Your Declaration is so purely drawn,
That on your side my very head I'll pawn.
Starve not so good a Cause; Now that you have
Away to be reveng'd both safe and brave;
Be sure to lay on load, and spare no cost,
For not a Penny of it shall be lost.*

*The Fool enflamed with such hopes as these,
Sicks not at double, nor yet treble Fees.
And if you long what's his success to know,
Another page the same shall quick'y show.*

November hath xxx days.

First Quarter the 2d. day, 6 min. past Noon.

Full Moon the 10th. day, 49 min. past 8 in the mor.

Last Quarter the 18. day, 2 min. past Noon.

New Moon the 25th. day, 52. min. past 7 in the M.

			H. M. H.		
1	d	All Saints	7 38 5	Aqu.	6
2	e	All Souls	7 39 5		20
3	f		23 7 41 5	Pisces	3
4	g		24 2 42 5		16
5	a	Pow. Trees	27 7 44 5		29
6	b		26 7 46 5	Aric.	12
7	c		27 7 47 5		24
8	d		28 7 49 5	Tau.	6
9	e		29 7 51 5		18
10	f	Cent. S. af. Tr.	17 52 5	Gem.	0
11	g		17 54 5		12
12	a	25. S. af. Tr.	7 55 5		24
13	b		3 7 57 5	Capc.	6
14	c		4 7 58 5		18
15	d		5 8 0 4	Leo.	0
16	e		6 8 1 4		12
17	f		7 8 3 4		24
18	g		8 8 4 4	Virg.	7
19	a	26. S. af. Tr.	8 5 4		20
20	b		10 8 7 4	Lib.	3
21	c		11 8 8 4		17
22	d		12 8 9 4	Scor.	1
23	e		13 8 10 4		16
24	f		14 8 11 4	Sag.	1
25	g		15 8 12 4		16
26	a	27. S. af. Tr.	8 12 4	Capc.	
27	b		17 8 13 4		
28	c	Term ends	8 14 4	Aqu.	
29	d		19 8 14 4		16
30	e	S. And. Ap.	8 15 4		29

Turn your melon-ground, and mingling it with earth, lay it in ridges for the Spring.

Trench and fit ground for Artichocks, let and plant Trees standard or mutual. Furnish your Nursery with stocks for grafting. Sow and set early Beans and Pease. Lay in Cellars (to be transplanted at Spring or Seed) Carrots, Parsnips, Turnips, Cabbages, and Colly-flowers. Gather your last Orchard-fruit; dig up your Potatoes as clean as you can.

Crop Asparagus, and cover it with long dung, or make beds to plant in the Spring. Sow Auricula-roots. Cover Peeping-Ranunculus's, &c. Plant Tulips under shelter, the year not too rich.

Plant Forrest-trees for Walks, Avenues & Groves

Plant fibrous roots, Roses, Althæa frutex, Lilax, Syringas, Cytisus, Peonies, &c.

Remarks upon November.

The Goose-caps Cause to hearing comes at last,
 And by the Jury he is roundly cast.
 The Adversurfe's Counsel forth with pray,
 Cost may be paid them, & re he part away.
 But the wise Court, more pitiful than so,
 Giv's him some time, and lets him bide ward goe.
 Mean time the Petty-fogger crys amain,
 "Lose not so good a Cause, but try again."
 "Those oft recover that at first miscarry;
 ("Nothing among us is more ordinary).
 "So thus, I never such a Pannel saw,
 "Nor Verdict brought, so contrary to Law.
 "Your wheazing Witness, if the Jury heard him,
 "Did strike all dead; but they did not regard him.
 "I like your spirit well, the Rustick crys,
 "But where (alas!) shall I have fresh supplies?
 "My stock is quite consum'd, my money gone:
 "How should I then another Suit bring on?

December hath xxxi. day.

First Quarter the 23. day, 4. min. past 2 in the mor.
Full Moon the 10 h. day, 4 min. past 4 in the mor.
Last Quarter the 18 day, 5 min. past 3 in the morn.
New Moon the 24th day, 14 min. past 6 in the even.
First Quarter the 31. day, 57 min. past 6 in the even.

		H.M.H			Prune and nail stan-
1	a	20 8 10 4	Pisc.	1	dard-trees, & wall-fruit.
2	b	21 8 16 4		26	Plant Vines & stocks for
3	c	22 8 17 4	Aries	9	grafting. Sow yet pomace
4	d	23 8 18 4		21	of Cyder - pressings for
5	e	24 8 18 4	Tau.	3	Nurseries. Set all sorts of
6	f	25 8 18 4		15	kernels, stones, &c. Sow
7	g	25 8 18 4		27	early Beans and Pease.
8	h	27 8 19 4	Gem.	9	Trench ground & dung
9	i	28 8 19 4		21	it for borders, planting
10	j	28 8 19 4	Canc.	3	fruit-trees, &c. Turn and
11	k	28 8 19 4		15	refresh Autumnal fruit,
12	l	28 8 19 4		27	opening the Windows
13	m	28 8 19 4	Leo	9	on a clear day.
14	n	28 8 19 4		21	Use hostility against Ver-
15	o	28 8 19 4	Virg.	3	mine by Traps, &c.
16	p	5 8 18 4		16	Preserve your choicest
17	q	7 8 18 4		29	Anemonies, Carnations,
18	r	7 8 17 4	Lib.	12	&c. from great rain and
19	s	8 8 17 4		26	frost. Let the door and
20	t	8 8 17 4	Scor.	10	windows of your Conser-
21	u	8 8 16 4		25	vatory be well matted, &
22	v	11 8 16 4	Sag.	9	guarded from piercing
23	w	12 8 15 4		24	ayre. Temper the Aire
24	x	14 8 14 4	Capr.	10	with a little Charcoale,
25	y	14 8 14 4		25	put into a hole sunk a lit-
26	z	13 8 13 4	Aqu.	10	tle into the middle of the
27	a	12 8 12 4		24	floor. Set Bay-berries,
28	b	12 8 12 4	Pisc.	8	dropping ripe. Cover
29	c	18 8 11 4		22	your fountain-pipes
30	d	19 8 10 4	Aries	5	with fresh & warm Lit-
31	e	20 8 9 4		18	ter out of the Stable, &c.

Remarks upon December.

Short days and cold, but long and colder nights,
Enough with their great rigor to affright's.
Save that we were enur'd to it before,
We had begun with trembling on our store.
A long dead time's begun, and doubtless cruel
To Mows of Corn and Hay, and stacks of Fewel.
But blest b: God, who knows on what we live,
And great supplies in Summer did us give.
But take we heed, lest we in riot spend
That which was sent us to a better end.
If we in Christmalls, Game away our stock,
Whereby we might relieve Christs wanting Flock;
Or if we Feast and Riot, while the poor
Lye ready to be starved at our door:
No wonder if the mighty Lord of Heaven,
By whom these Earth'y things were freely given,
Fall heavy on their Persons and Estates,
Which put them to the uses that he hates.

Additional.

I. A Table shewing the beginning, continuance, and ending of the several Reigns of the Kings & Sovereign Queens since the Conquest (useful for understanding, Records, Deeds, and Leases) With the years expired since their Reigns.

The names of the Kings and Queens.	The year of our L. wherein they began.	The day of the mo that their Reigns b. g.	Space of time which every one Reigned.			The year of our L. when their Reigns ended.	The month & day whereon they ended.	Years expired since their Reigns.
			ye.	mo.	da.			
Will Conqueror	1066	Octo. 14	20	11	22	1087	Sep. 9	589
Will. Rufus	1087	Sept. 9	12	11	19	1100	Aug. 1	576
Henry the first	1100	Aug. 1	35	04	11	1135	Dec. 2	541
Stephen	1135	Dec. 2	18	11	19	1154	Octo. 26	522
Henry II.	1154	Octo. 25	34	09	12	1183	July 6	487
Richard I.	1189	July 6	19	09	22	1199	April 6	417
John	1199	April 6	17	07	00	1216	Octo. 19	460
Henry III.	1216	Octo. 19	56	01	00	1272	Nov. 16	404
Edw. the first	1272	Nov. 16	34	08	06	1307	July 7	369
Edw. second	1307	July 7	19	07	05	1326	Jan. 20	349
Edw. the third	1326	Jan. 25	50	05	07	1377	Jun. 21	299
Richard II.	1377	Jun. 21	22	03	14	1399	Sep. 29	277
Hen the fourth	1399	Sep. 29	13	06	03	1412	Mar. 20	263
Henry the fifth	1412	Mar. 20	09	05	14	1422	Aug. 31	254
Hen. the sixth	1422	Aug. 31	38	06	16	1460	Mar. 4	216
Edward IV.	1460	Mar. 1	22	01	08	1483	April 9	193
Edw. the fifth	1483	April 9	00	02	18	1483	Jun. 22	193
Rich the third	1483	Jun 22	03	02	05	1485	Aug. 22	191
Henry VII.	1485	Aug. 22	23	10	16	1509	Apr. 22	167
Henry VIII.	1509	Apr. 22	27	10	02	1547	Jan. 28	128
Edw. the sixth	1547	Jan. 28	06	05	19	1553	July 6	123
Queen Mary	1553	July 6	05	04	22	1558	Nov. 17	118
Q. Elizabeth	1558	Nov. 17	44	04	16	1602	Mar. 24	73
King James	1602	Mar. 24	12	00	03	1625	Mar. 27	51
K. Charls I.	1625	Mar. 27	23	10	03	1648	Jan. 30	27
K. Charls II.	1648	Jan. 30	Long live the King.					

Hillary	{	Begins Jan. 14.	{	dies nefasti	{	Jan. 19. 24.
Term.		Ends March. 18.		Feb. 1. 11. 21. 23. 27.		
Easter	{	Begins April 5.	{	dies nefasti	{	Mar. 6. 11. 16. 19. 24.
Term.		Ends May 9.		April 22. 24. 28. 30.		
Trinity	{	Begins May 24.	{	dies nefasti	{	May 2. 5.
Term.		Ends no certain day.		Jun. 7. 10. 15. 23. 28.		
Michael	{	Beg. Oct. 10.	{	dies nefasti	{	July 1.
Term.		End. Dec. 17.		Octob. 12. 17. 27. 31.		
						Nov. 3. 7. 10. 15. 19.
						December 5.

III. The Latitude of many eminent place in *Eng*
land and *Wales*, very useful for Dyallists.

	D	M		D	M		D	M
S. Albanes	51	55	Flint.	53	17	Northamp.	52	16
Anglesey.	53	28	Guilford.	51	12	Norwich	52	42
Barnmouth.	52	50	Gloucester.	51	33	Nottingh.	53	00
Barwick.	55	49	Grantham.	52	58	Oxford.	52	00
Bedford.	51	18	Hallifax.	53	45	Pembrock.	51	46
Boston.	53	02	Hartford.	51	49	Pennrh.	54	44
Brecknock.	52	01	Hereford.	52	14	Preslen.	52	40
Bristol.	51	17	Hull.	53	15	Radnor.	52	59
Buckingham.	52	00	Huntingt.	52	19	Reading.	51	20
Cambridge.	52	15	Ipswich.	52	08	Rochester.	51	34
Canterbury.	51	17	Kendal.	54	23	St. David.	52	00
Cardigan.	51	13	Kendal.	54	00	Salisbury.	51	00
Carlisle.	53	00	Leicester.	51	40	Shrewsbury.	52	43
Carmarthen.	52	36	Lincoln.	52	15	St. Asaph.	52	50
Carnarvon.	51	16	Liv. sp.	52	32	St. David.	52	50
Chester.	52	20	Card. sp.	52	35	Trevel.	50	20
Chichester.	50	50	London.	51	32	Warrington.	51	31
Colchester.	52	00	Manchester.	51	24	Warwick.	52	30
Conventree.	52	50	Barnmouth.	51	51	Wigan.	52	29
Darby.	51	06	Mountgomery.	51	56	Winchester.	51	37
Denbigh.	52	15	N. w. c. sp. un-	52	30	Worcester.	52	30
Dorchester.	52	30	Cardigan.	52	30	Cardigan.	52	30
Dorchester.	52	30	N. w. c. sp. un-	52	30	Cardigan.	52	30
Exeter.	52	30	Cardigan.	52	30	Cardigan.	52	30
Exeter.	52	30	Cardigan.	52	30	Cardigan.	52	30

11. A Table of the Declination of the Sun, for every degree of the Ecliptick, very useful also for the same sort of Artists, Ex Chart. Ph C. A. M. M. C.

Northw.	Southw.	Northw.	Southw.	Northw.	Southw.	°
Aries.	Libra	Taurus	Scorpio	Gemini.	Sagit.	2
Deg. of decl.	min.	Deg. of decl.	min.	Deg. of decl.	min.	°
0 00	00 1			31 20		13 30
1 00	24 41			32 20		26 18
2 00	48 12			13 20		38 25
3 01	12 12			33 20		50 27
4 01	36 12			54 21		01 26
5 02	00 3			14 21		12 25
6 02	23 3			34 21		24 24
7 02	47 13			54 21		36 23
8 03	11 14			13 21		48 21
9 03	35 4			33 21		59 21
10 01	58 4			53 22		02 20
11 04	22 15			11 22		10 19
12 04	46 15			29 22		18 18
13 05	09 15			48 22		26 17
14 05	32 15			06 22		34 16
15 05	56 16			24 22		46 15
16 06	19 16			41 22		47 14
17 06	42 16			58 22		53 13
18 07	05 17			15 22		55 12
19 07	28 17			32 23		04 11
20 07	51 17			48 23		09 10
21 08	13 18			04 23		13 9
22 08	36 18			20 23		17 8
23 08	58 18			35 23		20 7
24 09	20 18			50 23		23 6
25 09	41 19			05 23		26 5
26 10	03 19			19 23		28 4
27 10	26 19			33 23		29 3
28 10	48 19			47 23		30 2
29 11	09 20			00 23		31 1
30 11	31 20			13 23		31 0

Deg. of Decl.	min.	Deg. of decl.	min.	Deg. of decl.	min.
Northw.	Southw.	Northw.	Southw.	Northw.	Southw.
Virgo.	Pisces	Leo	Aquarius	Cancer.	Capri.

The Explanation, and Use of the foregoing Table.

1. The word [Northward] over the Names of these six signs, *Aries, Taurus, Gemini, Cancer, Leo, and Virgo*, shews, that when ever the sun is in any of those signs, his declination is ever Northward from the Equator. In like manner the word [Southward] over the rest of the signs, shews, that when he is in any of those signs, viz. *Libra, Scorpio, Sagittarius, Capricorn, Aquarius, or Pisces*, his declination is ever Southwardly.

2. The degrees belonging to the signs on the head of the Table, must be sought in the first Column downward, but those belonging to the signs at the foot of the Table, are to be found in the last Column upward.

3. To find the declination of the Sun any day in the Year, find the Suns place over against the day of the Month in the Kalender; then entering the foregoing Table, find the same sign and degrees; then if the sign be Northern, the Angle which it maketh, with the degree found, shews the degrees of declination, and the number next after it in the same line shews the minutes.

Examples.

May 15. the Suns place in the Kalender is the 4th. deg. of *Gemini*; then finding *Gemini* on the top of this Table, and 4 in the first Column, the Angle where they meet, gives me 21 degrees, and the next number in the same line is 01, which shews the minutes; hence I conclude that *May 15* the Sun declines Northwardly by 21 deg. 01 min. So likewise, *July 18.* the Sun is in the 7th. deg. of *Leo*, and in the common Angle made by *Leo*, and his 7th. degree (found in the last Column of this Table upwards) I find 18 degrees, and the number next following in that line gives me 35 minutes.

4. But if the sign be Southern, the common Angle made by the sign, and its degree, gives the minutes, and the number next before in the same line, shews the degrees.

Examples.

Jan. 14 the Suns place in the Ecliptick is the 3. deg. of *Aqua.* Now in this Table, *Aquarius* and his 3. deg. in their common

Angle give us 33, which are the odd minutes, and the number 19 next proceeding in the same line signifies the degrees, whence I conclude, that Jan. 14. the Sun declines 19 deg. 33 min. Southward. In like manner Novemb. 1. The Sun being in the 21 deo. of scorp. his declination from the Equator is found by this Table to be 18 deg. 4 min. Southward.

V.

A quick and easie way to extract any Root out of the highest Power, and vastest Numbers, by the help of Logarithmes; newly invented, and never before the last Year Published.

THAT the Faculty of extracting all sorts of Roots is necessary to an Algebrist, and that no method for extraction is so easie as that by Logarithmes are truths (as I take it) beyond all possibilities of denial.

The only thing that allays their excellency, is that the largest Cannons (as Dr. Newton in Folio) profess not by all eekings to give us the Logarithms of any Number exceeding 40 Millions; and this Provision is so scanty, that without some farther invention, it will not furnish us with the Logarithmes of the Cube of 343. The surfolid of 34. The second surfolid of 13. Or the third surfolid of 5. And I know no other that hath made it his business to assist us in this sort. But by the help of the Rule following, any Root may be extracted, though the Number given exceed 40. Thousand Millions, of Millions. 40. Thousand times taken for this Number, 4721366481869545213696. Is much larger than so; yet by the Rule any Root demanded may be truly, and speedily extracted out of it.

The Rule is this.

Seek the Logarithme of 7. or (if possible) 8. of the leading Figures of the Number given, and prefix to that Logarithme an Index answerable to the Number of places in the whole given Number (that is one less than the Number of its places) that Logarithme being divided by the Index, or Exponent of the power, whose Root you seek, will give you the Logarithme of the Root sought.

Example.

Suppose I desired the Root of the 9th. Power (called ordinarily the cubed Cube, though others name it otherwise, of which I cannot stand to give the reasons) Find the Logarithme of the seven leading Figures, 4722366. to be 67415963. and the Index to be prefixed is 21, because the whole Number consists of 22. places. This entire Logarithme (Index and all) being divided by 9. (the Index, or Exponent of the Cubed Cube) the Quotient will be 2. 40823995. the 9) 21. 67415963
Log. of 256. as here is plain being done 2. 40823995
in the practick way.

Now if any list to try it by Multiplication, he will find that 256 cubified makes 16777216. and that again cubified, produceth the first great number.

But if you would find the square root of this vast number, you cannot go to it immediately: for the Log. 21. 67415963 being halved, gives 10. 83707981 for the Log. of the square root; and this having 10 Index, shews, that the number to which it answereth, must needs consist of 11 places, which no Canon of Logarithmes can come near. But this seeming difficulty is soon removed: for if you seek the root of any higher power, compounded of such a power, as in this case the squared square, squared Cube, or squaredly squared square; the root primarily intended is by Multiplication soon produced. As for Example, if you divide the Log. 21. 67415963 by 4 (the Index of the squared square) it gives 5. 41853990 the Log. of 262144 and that being the squared square root, (or the square root, of the square root)

I square, or multiply it, by it self, and it gives 68719476736 the square root of 47223664828696456213696.

Or if the said Log. 21. 67415963 had been divided by 6 (the Index of the squared Cube) the Quotient would have been 3. 61235993 the Log. of 4096 and that multiplied cubically, (because the squared Cube root, is But the cubick root, of the square root) it will give us again 68719476736 for the square root.

By this kind of working you will find as followeth.

The Root.	{ Square Cubicall Su solid 2 Surfolid 7 Surfolid }	{ 789456762 9664382 847288609443 4586471424 8388508 }	} of { 28097126898176 21300458 243 24 2 }	} is {

I would have done these at large, but for taking up too much room. One doubt however I thought good to take away. Some may be unsatisfied, how the Log. having 21 Index; and yet taking in only 7 of the leading figures could be any thing commensurate to the whole number of 21 places. But the truth is, that the 15 figures left out, do not bear so great a proportion to the 7 taken in, considering their places, as a single Farthing to 10000 Pounds, which to any smatterer in the *Mathematicks* is thus demonstrable.

1. If a separating line were made after the 7 leading figures, making the Units place at the second 6 and turning all the 15 following into decimal Fractions, there would be still the same proportion between the leaders, and followers, that now there is. As in these two numbers, 35. 863 35 the five primes in the latter, bear the same proportion to 35, that 5 in the former bears to 30 viz. both a sixth part.

2. It is evident, that if a separatrix were placed thus, 4722366482869645213696 and the number 4722366 equated Pounds, all the Fractions will scarce reach 9 shillings 8 pence, or 464 Farthings.

3. If you divide 4722366 by 464, the Quotient will give you, for every Farthing in the Fractions, 10177 l. 10 s. 3 d.

in the Integers. So that if all these 15 figures had been changed into cyphers, or other figures at pleasure (due places and Index being observed) there would have been no observable difference.

This also may be farther noted, that though in this way of demonstration, I have only applied it to a number consisting of 22 places; the grounds I go upon, demonstrate the work to be feasible, were the numbers as great as Imagination it self can frame.

VI.

Three new Problems concerning Interest, and Annuities in the Logarithmetical way.

Prob. I.

To find the time wherein a given summ of money will be increased to any summ required, at any rate of Compound Interest.

The Rule.

Subtract the Logarithme of the less summ, out of the Logarithme of the greatest. Their difference being divided by the Log. of 1 pound, and its Interest for a Year (usually called the Log. of the rate, and so I shall call it hereafter) gives the time.

An Example, by way of Answer to a Question.

Quest. In what time will 100 pounds, amount to 200, at 6 per Cent. Compound Interest.

Ans. In 11 $\frac{274}{1000}$ Years, or 11 Years, 11 moneths, and 20 days, &c. as here appears.

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Log. of 200 --- 2. 30302999

Log. of 100 --- 2. 00000000

Log. of 126-2530586 Diff. 0. 30302999 (111974

2530586 12

4997139 1948

2530586 974

24665530 11688

22775274 30

20640

18902560

17714102

11884580

10122344

1762236.

Prob. II.

To find the time when a yearly payment given will raise a required stock at any rate of Compound Interest.

The Rule.

Suppose the yearly payment to the Interest of a sum of Money, and find by the Rule of three, a correspondent principal; which being done, add that principal to the stock, and from the Log. of their sum subtracting the Logarithme of the said principal; that difference divided by the Log. of the rate shews the time. *V. G.* 30 l. per Annum, will at 6 per Cent. raise a stock of 400 l. in 101287 years, or 10 years, 1 month, 1 day, &c. as here appears.

6. 100 30

30

Log. of 900-- 2. 95424251

Log. of 500-- 2. 69897000

6) 3000 (500 Log. of rate 2530586 Diff. 25527251 (101287

30

400

2530586

000

101287

22139109

900

12

20144688

174

18944120

87

17714102

1044

1230018

30

1320

Prob.

Prob. III.

To find the time wherein a yearly payment will pay off a (possible) Debt, at any rate of Compound Interest.

The Rule.

Having found the correspondent principal (as in the former Probleme) subtract the Debt out of the correspondent principal, and the Logarithme of their difference from the Logarithme of the correspondent principal. This last difference divided by the Log. of the rate, shews the time. As in this Example.

Quest. In what time will a yearly Rent of 57l. pay off a Debt of 740l. at 6 per Cent. Compound Interest.

Ans. In 25 1903 Years, or (by Reduction) 25 Years, 10 Months, and 25 Days, &c. as here appears.

6.	100	57	Logarithme of 950—	2.97772361
	57		Logarithme of 210—	2.32221929
6)	5700	(950	Log. of the rate 2530585)	D. ff. 65550432 (251203
	54	740		5061172
	30	210		14938712
	20			12652930
	00			22857820
				2277574
				854600
				759178
				661842
			251903	
			12	
			1806	
			903	
			1.1836	
			30	
			251286	

I have for brevities sake, confined my self to a single Example under every Problem, and that still at 6 *per Cent.* because that is the usual rate, and tolerated by Law. But the Rules are Universal for any rate of Interest, and accommodable by Artits to Annuities paid half yearly, or quarterly, yearly (if they please) monthly, Weekly, or daily; supposing them to be acquainted with the ordinary methods of finding the arrears, or present worth of such Annuities.

VII.

Advice touching the Posts, and Roads, according to Sir Samuel Morland

Letters may be sent from *London.*

On *Mondays*, to *France, Spain, Italy, Germany, Flanders, Swedeland, Denmark, Kent,* and the *Downs.*

On *Tuesday* to *Holland, Germany, Swedeland, Denmark, Ireland, Scotland,* all Parts of *England,* and *Wales.*

On *Wednesdays*, to all Parts of *Kent;* and the *Downs.*

On *Thursdays* to *France, Spain Italy,* all Parts of *England,* and *Scotland*

On *Fridays* to *Flanders, Germany, Italy, Swedeland, Denmark, Holland, Kent,* and the *Downs.*

On *Saturdays*, all Parts of *England, Wales, Scotland,* and *Ireland.*

Letters are returned from all parts of *England,* and *Scotland,* certainly, every *Monday, Wednesday,* and *Friday;* from *Wales,* every *Monday,* and *Friday;* and from *Kent,* and the *Downs,* every day; but from other places more uncertainly, in regard of the *Sea.*

Post

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		Post Stages.		M. Tot.		
Northern-Road.		M.	Tot	Norwich.		12 62 6
From London				Chester-Road.		
to Waltham- Cross.		12	12	From London to Barnet.		10 10
Ware.		08	20	St. Albans.		10 20
Royston.		13	33	Dunstable.		10 30
Caxton.		8	41	Fenny-Stratford.		8 8
Huntington.		9	50	Tossiter.		12 30
Stilton.		9	59	Daventry.		10 60
Stamford.		12	71	Covenree.		14 74
Southwicham.		8	79	Cosbil.		8 82
Grantham.		8	87	Litchfield.		12 94
Newark.		10	97	Stone.		16 11 0
Tuxford.		10	107	Namptwich.		16 126
Baw Tree.		12	119	Chester.		14 140
Doncaster.		6	125	* Northape.		18 158
Ferriehrigs.		10	135	Denhigh.		12 170
Tadcaster.		9	144	Conway.		14 184
York.		8	152	Bewmaris.		10 194
Berronbrig.		12	164	Holy Head.		24 218
Northallerton.		12	176	Darby-Road		
Darlington.		10	116	From Tossiter to		6 6
Durham.		12	200	Northampton.		
Newcastle.		12	212	Hairborough.		12 18
Marpeth.		12	224	Leicester.		12 30
Alunick.		12	236	Loughborough.		8 38
Belford.		12	248	Darby.		12 50
Barwick.		12	260	Western-Road.		
Cockerspeth.		14	274	From London to		
Haddington.		14	288	Stanes.		16 16
Edinburgh.		12	300	Hartford-bridge		16 32
Norwich-Road.				Basing-stoak.		9 41
From Royston to		10	10	Andover.		18 59
Cambridge.		10	20	Salisbury.		16 75
New-market.		10	30	Shaftsbury.		19 94
Bury.		10	40	Sherborne		16 110
Thetford.		10	50	Crookhorn.		13 12
Attledrough.		10	50	Hunton.		19 142

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	M.	Tot		M.	Tot
To { Exeter.	15	157	Brissol-Road.		
{ Asburyton.	25	177	From London	10	10
{ Plymouth, &c.	24	201	to Huntslow.		
Portsmouth-Road.			{ Maiden-head.	16	26
From Harford-bridge to	10	10	{ Reading.	12	38
Petersfield.	24	34	{ Newbury.	16	54
To Portsmouth.			{ Marlborough.	15	69
Yarmouth-Road.			{ Chippen-ham.	15	84
From London to	16	16	{ Bristol.	20	104
Burnt-wood.	18	34	Glocester-Road.		
Wicham.	12	46	From Maiden-		
Colchester.	16	62	head to Ab-	16	16
Ipswich.	16	78	bington.		
Saxmundum.	16	94	To { Farrington.	15	31
Beckles.	10	104	{ Cirencester.	15	46
Yarmouth.			{ Glocester.	18	64
			Kentish-Road.		
			From London	14	14
			to Dartford.		
			{ Rochester.	14	28
			{ Sitting-burn.	12	40
			{ Canterbury.	15	55
			{ Deale.	15	70
			{ Dover.		

To these I shall add the by-Post-Road to Manchester; and the Hackny-Road to Lancaster.

	M.	Tot		M.	Tot
From London to			From Holmes-Chap-		
Stone, as appears	110	110	pel to Warrington.	12	12
before in Chester-			{ Wigan.	8	20
Road.			{ Preston.	12	32
Newcastle.	6	116	To { Garstang.	10	42
Holmes-Chappel.	12	128	{ Lancaster.	10	52
Kunnsford.	6	134			
Manchester.	10	144			

VIII.

Courses, and Distances by Water, out of Mr. Seller his Coasting-Pilot, pag. 38. Leagues.

From	The North Foreland to the North-end of the Goodwin, the Course is East by South.	1 $\frac{1}{2}$
	The North Foreland to the Kentish-knock, N. by E. and N. N. E.	4 or 5
	Thence to Oxfordness, North.	12
	The Foreland to the Galloper, N. E. by N.	9
	The Galloper to Oxfordness, N. N. W.	10
	Alborough to Covehith, N. by East.	5
	Covehith to Leystaff, N.	2 $\frac{1}{2}$
	Leystaff to Yarmouth, S.	3
	Yarmouth to Winterton, N. N. W.	2 $\frac{1}{2}$
	Winterton to Hasborough	2 $\frac{1}{2}$
	Cromer to Blackness, N. N. W.	3 or 4
	Blackness to Bornham, to Sail through within the Sand, W.	6 $\frac{1}{2}$
	Bornham to Chappel-land, W. S. W.	2 $\frac{1}{2}$
	Chappel-land to Boston-knock on the N. point of Boston-deep, N. W. by N.	5
	Thence to the Spurn, N. and N. by W.	6 $\frac{1}{2}$
	The Spurn to Flamborough-head, N. N. W.	9

Thwart Courses over the Sea.

From	The North Foreland to Flushing East s. m. what Northerly about the Foreland to the Mase, E. N. E. somewhat Easterly.	26 $\frac{1}{2}$
	The Foreland to the Texel, or the Mase-deep, N. E.	33
	The Naze, or Harwich to the Mase East.	45
	Oxfordness to the Texel, E. N. E.	29
	Yarmouth, or Leystaff to the Walcheren, or the Weilings, S. E. and S. by S.	37
	The Point of Cromer, or Shield to the Texel, E.	39
	The Spurn to the Texel, E. by S. & E. S. E.	41
	Tinmouth to Scuteness N. E.	59
	Tin-	103

From	Tinmouth to the Naze in Norway N. E. } by E. somewhat Easterly.	102
	Tinmouth to the Seaw, E. N. E.	135
	Tinmouth to Holy Island, E. by S. } somewhat Easterly.	106
<i>Other Courses and Distances out of the same Book, Page 53.</i>		
From	Portland to St. Paul de Lyon, S. W. by S.	40
	Portland to Ushant, S. W.	53
	Portland to Exmouth, W. N. W.	13
	Torbay to Dartmouth, W. somewhat Southerly	3 or 4
	Dartmouth to the Start, S. W.	3
	Portland to Torbay, W. somewhat Southerly.	13 or 14
	Portland to Dartmouth, W. by S.	16
	Portland to the Start, W. S. W. Westerly.	19
	The Start to the Caskets, E. S. E.	21
	The Start to the Seven Isles, S. by East, } somewhat Easterly.	24
	The Start to St. Paul De Lyon S. by W. } southerly	23
	The Start to the Ram-head, W. N. W.	8
	Ram-head to Love-Island, S. W.	3
	Love-Island to Foy West.	2
	Foy to the Dead Man, S. W. & S. W. by W.	5
	The Dead Man to Falmouth, W. by S. & W. S. W.	4
	Falmouth to the Lizard, S. by W.	4
	The Start to the Eddie Stone, W. or a little Northerly.	7 or 8
	The Eddie Stone to Ram-head, N. a little Westerly.	2
	Ram-head to the Dead Man, W. S. W.	8
	The Dead Man to the Lizard, S. W.	6
	The Start to the Lizard, W. by S.	20
	The Lizard to Guarnsey, E. by S.	37
	The Lizard to the Seven Islands, S. E. by S.	31
	The Lizard to Ushant South.	29
	The Lizard to Cape De Finisterre, S. W.	153
<i>The same course goes about 5 Leagues without the Cape</i>		
	The Lizard to Teneriff, S. S. W.	466
	The Lizard to Tercera.	386

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IX.

That Mariners these Courses safe may steer,
Behold the Age of th^e Moon throughout the Year;
With plain directions when t^e expect the Tide,
That Vessels on the Waves may swiftly Ride.

The Age of the Moon for every day in this Year, 1676.

M.D.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	M.D.
1	26	27	26	28	28	30	1	2	4	4	6	6	1
2	27	28	27	29	29	1	2	3	5	5	7	7	2
3	28	29	28	30	1	2	3	4	6	6	8	8	3
4	29	1	29	1	2	3	4	5	7	7	9	9	4
5	30	2	1	2	3	4	5	6	8	8	10	10	5
6	1	3	2	3	4	5	6	7	9	9	11	11	6
7	2	4	3	4	5	6	7	8	10	10	12	12	7
8	3	5	4	5	6	7	8	9	11	11	13	13	8
9	4	6	5	6	7	8	9	10	12	12	14	14	9
10	5	7	6	7	8	9	10	11	13	13	15	15	10
11	6	8	7	8	9	10	11	12	14	14	16	16	11
12	7	9	8	9	10	11	12	13	15	15	17	17	12
13	8	10	9	10	11	12	13	14	16	16	18	18	13
14	9	11	10	11	12	13	14	15	17	17	19	19	14
15	10	12	11	12	13	14	15	16	18	18	20	20	15
16	11	13	12	13	14	15	16	17	19	19	21	21	16
17	12	14	13	14	15	16	17	18	20	20	22	22	17
18	13	15	14	15	16	17	18	19	21	21	23	23	18
19	14	16	15	16	17	18	19	20	22	22	24	24	19
20	15	17	16	17	18	19	20	21	23	23	25	25	20
21	16	18	17	18	19	20	21	22	24	24	26	26	21
22	17	19	18	19	20	21	22	23	25	25	27	27	22
23	18	20	19	20	21	22	23	24	26	26	28	28	23
24	19	21	20	21	22	23	24	25	27	27	29	29	24
25	20	22	21	22	23	24	25	26	28	28	30	1	25
26	21	23	22	23	24	25	26	27	29	29	31	2	26
27	22	24	23	24	25	26	27	28	30	1	2	3	27
28	23	25	24	25	26	27	28	29	31	2	3	4	28
29	24		25	26	27	28	29	1		3	4	5	29
30	25		26	27	28	29	30	2	3	4	5	6	30
31	26		27		29		1	3		5		7	31

The Country Almanack, 1676.

The first part of the Tides-Table, shewing what Moon makes a full Sea at the places below mentioned, and parts adjoyning.

1. Quinborough, Southampton, Portsmouth, Isle of Wight, Spits, Kentish-knock, } S. & N.
half-tide at Dunkirke.
2. Rochester, Maldon, Aberdeen, Red-band } S. by W.
West-end of the Nower, Black-tail. } N. by E.
3. Gravesend, Downs, Rumney, Tennet, } S. S. W.
Silly half-tide, Blackness, Ramkins, Sene head. } N. N. E.
4. Dundee, Sr. Andrews, Lisbone, Sr. Lucas, } S. W. by W.
Bell-Isle, Holy-Isle. } N. E. by N.
5. London, Tinnmouth, Hartlepoole, White- } S. W.
bay, Amsterdam, Gascoine, Brittain, Gallicia. } N. E.
6. Barwick, Hamborough head, Bridlington } S. W. by W.
Ottend, Flushing, Burdeaux, Founteess. } N. E. by E.
7. Scarborough quarter-tide, Lawrenas, } W. S. W.
Mounts-bay, Severne, Kinsale, Cork-haven, Bal- } E. N. E.
tomare, Dungarum, Calice-creek, Blay, 7. Isles
8. Falmouth, Fay, Humber, Moonless, New- } W. by S.
Castle, Dartmouth, Torbay, Garnsey, Caldys, } E. by N.
Sally, St. Malles, Abrowrath.
9. Plimouth, Waymouth, Hull, Lin, Lun- } E. & W.
die, Antwerp, Holmes of Bristol, Davids-head, }
Concolo.
10. Bristol, Foulness, at the Start } E. by S.
} W. by N.
11. Milford, Bridgewater, Exwater, Lands } E. S. E.
end, Waterford, Cape-clear, Abermorick, Tex. } W. N. W.
12. Portland, Peter-port, Harflew, Hague } S. E. by E.
St. Marynes-sound, Dublin, Lumbay, Mackels- } N. W. by W.
Castle.
13. Pool, St. Helens, Isle of Man, Carriess, } S. E.
Orkney, Fair Isles, Dunbar, Kieldon, Bass- } N. W.
Island, the Caskers, Diep an half-tide.
14. Needles, Orford, Laysto, South and } S. E. by S.
North Forelands. } N. W. by N.
15. Yarmouth, Dover, Harwich, in the } S. S. E.
Frith, Bullain, St. John de Luce, Calice-Road. } N. N. W.
16. Rie, Wluchelsy, Goren, Thames Fair- } S. by E.
17. Rhoder. } N. by W.

The Country-Almanack. 1678.

The second part of the Tide-Table, shewing the hours and minutes of High Sea at the places before mentioned.

Th' age of th' ☾	In.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	D.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1. Qum.	H.	12	1	2	3	4	4	5	6	7	8	8	9	10	11	12
	M.	48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
2. Roch.	H.	1	2	3	3	4	5	6	7	7	8	9	10	11	11	12
	M.	33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
3. Graves	H.	2	3	3	4	5	6	7	7	8	9	10	11	11	12	1
	M.	18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
4. Dund.	H.	3	3	4	5	6	7	7	8	9	10	11	11	12	1	2
	M.	3	51	39	27	15	3	51	39	27	15	3	51	39	27	15
5. Lond.	H.	3	4	5	6	7	7	8	9	10	11	11	12	1	2	3
	M.	48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
6. Bar.	H.	4	5	6	6	7	8	9	10	10	11	12	1	2	3	3
	M.	13	21	9	57	45	33	21	9	57	45	33	21	9	57	45
7. Scarb.	H.	5	6	6	7	8	9	10	10	11	12	1	2	2	3	4
	M.	18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
8. Falm.	H.	6	6	7	8	9	10	10	11	12	1	2	2	3	4	5
	M.	3	51	39	27	15	3	51	39	27	15	3	51	39	27	15
9. Plim.	H.	6	7	8	9	10	10	11	12	1	2	2	3	4	5	6
	M.	48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
10. Bristol	H.	7	8	9	9	10	11	12	1	1	2	3	4	5	5	6
	M.	33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
11. Milf.	H.	8	9	9	10	11	12	1	1	2	3	4	5	5	6	7
	M.	18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
12. Port	H.	9	9	10	11	12	1	1	2	3	4	5	5	6	7	8
	M.	3	51	39	27	15	3	51	39	27	15	3	51	39	27	15
13. Poole	H.	9	10	11	12	1	1	2	3	4	5	5	6	7	8	9
	M.	48	36	24	12	0	48	36	24	12	0	48	36	24	12	0
14. Need.	H.	10	11	12	12	1	2	3	4	4	5	6	7	8	8	9
	M.	33	21	9	57	45	33	21	9	57	45	33	21	9	57	45
15. Yarm.	H.	11	12	12	1	2	3	4	4	5	6	7	8	8	9	10
	M.	18	6	54	42	30	18	6	54	42	30	18	6	54	42	30
16. Rye	H.	12	12	1	2	3	4	4	5	6	7	8	8	9	10	11
	M.	3	51	39	27	15	3	51	39	27	15	3	51	39	27	15

An Example to explain the use of the Tables.

To know what Moon makes a full Sea at *Hull*, and at what hour, and minute, that will be on *Jan. 1.* this present Year.

1. I find *Hull* in the 9th. Rank, of the first part, of the Tide-Table, beginning with *Plimouth*; and by inspection it appears, that when the Moon is *East*, or *West* directly, it will be full Sea there.

2. My Table for the Moons Age, tells me, that upon *Jan. 1.* the Moon is 26. days old.

3. Then having recourse to the second part of the Tide-Table, I find the same Age of the Moon (viz. 26) towards the head of the 13th. Column; and so guiding mine Eye downward, till I come over against the 9th. Rank (marked with *Plim.* or *Plimouth* the initial word) I find that it is full sea at *Hull* upon *Jan. 1.* at 48. minutes past 2.

But still observe these usual Cautions.

1. The evening-Tide is accounted to come after the morning-Tide 12 hours. 24 minutes.

2. At Spring-Tides (when the Moon is at the Change, or Full) the Tide flows one point of the Compass, more than at Neap-Tides, when she is in her quarters.

3. By reason of the Moons Latitude, high Winds, Land Floods, &c. the flowing may be forwarded, or hindered, a full hour, sooner, or later than regularly was to be expected.

FINIS.